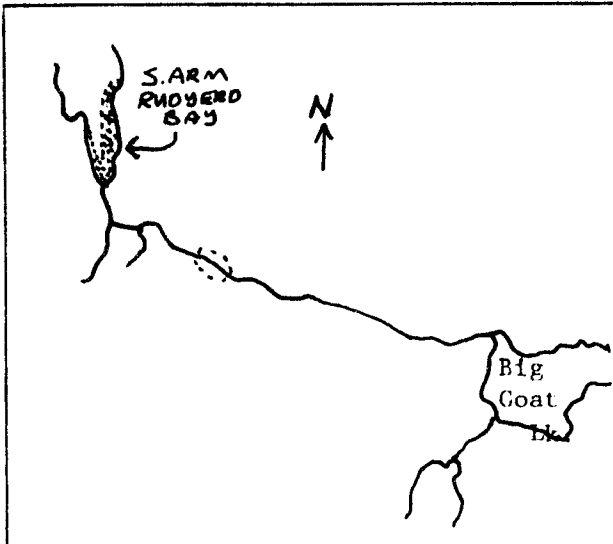


Big Goat Creek
101-60-30

101-60-10300



Name Big Goat Creek Catalog No. 101-60-30
Latitude N 55° 32' 08" 52" WR No. 37 101-60-10300
Longitude W 130° 40' 05" 31" K No. 39
Geodetic Map No. Ketchikan C-2, C-3 Work Area Ketchikan
Location Rudyard Bay, So Arm Head Watershed Length 7 miles (Big & Little Go)
Drainage Area of Watershed 18 sq. miles.
Water Supply Type Two lakes, precipitation, melting snow.

Trails & Survey Routes Grass flats easily walked. Was a trail to old weir site below rapids. Stream easily walked on normal or lower stream levels. Banks brushy.
Aerial Survey Notes Good stream, morning or mid-day best. Clear water and light bottom. Lower stream may be obscured by trees.
Anchorage Good at head of bay. 4-6 fathoms. Opposite delta of rocky creek on right side of bay.
Tide Stage When Surveyed 1/2 flood.

FISHERY RESOURCES

Commercial Fisheries Most spawning occurs above 1st falls. Good spawning area below falls. Pinks, coho, chum and king salmon present.
Escapement high historic: 47,000 mixed sp. 1974. Spawning area = 9425 m². Below fal (600'x70'x60%ASA) (above falls) (1500'x50'x60% ASA) + (2500'x50'x25%ASA)
Species Composition 90% pinks 9% chums 1% coho
Based on 1954 weir count (24,232) (2,697) (203) plus 67 king salmon.
Timing Pinks - early Aug., chum - late Aug., coho - middle Sept.
Schooling areas Small pool top of intertidal

Shellfish Potential Dungeness and tanner crab in the bay.

Sport Fisheries Excellent grayling fishing in lake. Trout in stream, should be steelhead here.

Land Use at Present Sport fishing in stream and lake. Goat hunting at Lake.

History of Land Use Was Fish & Wildlife Service weir below rapids 1953-54.

Rehabilitation Potential Was 67 king salmon reported in 1954. None reported recently.

Soils Valley floor flat with stable banks. Muskeg and beaver dam above 1st falls 1/2 mile from high tide. Stable now looks easily disturbed.

GAME RESOURCES

Bear -----	Fish carcasses or bones (old or fresh) on banks, estimate	0
	Number of droppings	1 brown bear
Geese -----	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mallards ---	Number seen on tide flats	0
	Number seen up creek	0
	Number of broods seen	0
Mergansers -	Number of broods seen	1
Bald Eagles--	Number seen along creek	4
	Number of nests seen and location	0
Seals -----	Number seen at mouth of stream	15
Tide flats -	Estimate length along beach	300 yards
	Estimate depth out from beach	200 yards
	Eel grass present on what percent of flats	0

PEAK ESCAPEMENT RECORD

Big Goat Creek
101-60-30

DATE	PINK	CHUM	OTHER SPECIES	REMARKS
8-17-33	1,500		1 king	Water high.
7-14-37	2,500			100 fish off mouth.
9-20-40	5,000	1,000		Poor.
9-26-41	7,000	250		Poor.
9-17-43	15,000	1,000		Good. 2000 off mouth.
8-27-49	15,000			Stream full.
9-12-50	200	>200		Several 100 off mouth. >2000 dead pinks.
8-19-51	3,200			Chum present. Few dead chum, pink.
8-27-53	3,306	2,001	11 coho, 9 kings	Weir count total. Steelhead reported 6-19.
9-15-55	24,232	2,697	203 coho, 67 king	Weir final total.
7-24-56	5,000	150		600 pink at mouth.
8-10-57	2,850	150		
8-9-60	10,000			
8-21-67	3,300			All schooled.
8-3-62	16,000			Scattered length of stream.
8-8-63	3,000	600		Ex. visibility. 50 I.T.
9-1-64	26,000	10,000		Few I.T.
8-26-65	3,000	800	1 king	Chum mostly spawning, pinks mostly schooled.
8-24-66	20,000	present	few king, coho	3100 @ I.T. Vis. fair. Many spawning & dead.
8-21-67	500	300		200 I.T., few @ mouth. Vis. fair.
8-27-68	19,000	1,000		Ex. vis. heavy spawning activity, many dead, many carcasses.
8-20-69	250			Ex. vis.
8-18-70	14,300			2000 I.T. Visibility fair.